NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/VP-GP/2021-22- C1

Date: 17-01-2022

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Providing Grills and Constructions of Pathway at Vinayaka Park at A Sector in Ward No.04.}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri.K.B Alankar, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**165 min**	Shall not be less than 30 min
2	Final setting time	**278 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.11 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.08 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.70 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.
Vinayaka Park Fencing

Page No. 1/1,

Asst. Executive Engineer
Project Division
Yelahanka
BBMP, Bangalore - 92

NEWZEN CONSULTANTS BANGALORE

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NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/VP-GP/2021-22- PCC1 **Date: 17-01-2022**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Providing Grills and Constructions of Pathway at Vinayaka Park at A Sector in Ward No.04.}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri.K.B Alankar, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	63.48	0 -20	30- 70
10mm	29.62	0 -5	10- 35
4.75mm	4.02	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	96.30	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	86.05	60-95	75-100	85-100	
01.18	72.00	30-70	55-90	75-100	
600.mic	46.20	15-34	35-59	60-79	
300.mic	21.10	5-20	8-30	12-40	
150.mic	6.35	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.
Vinayaka Park Fencing

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/VP-GP/2021-22- C2 **Date: 27-01-2022**

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Providing Grills and Constructions of Pathway at Vinayaka Park at A Sector in Ward No.04.}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri.K.B Alankar, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**168 min**	Shall not be less than 30 min
2	Final setting time	**259 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.10 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.18 mm**	Shall not be more than 10 mm
5	Compressive strength b) 3 days (average of three results)	**28.59 N/Sq mm**	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.
Vinayaka Park Basket Ball Court

Asst. Executive Engineer
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BBMP, Bangalore-92

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/VP-GP/2021-22-PCC2 **Date: 27-01-2022**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Providing Grills and Constructions of Pathway at Vinayaka Park at A Sector in Ward No.04.}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri.K.B Alankar, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	59.10	0 -20	30- 70
10mm	26.95	0 -5	10- 35
4.75mm	3.70	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	95.85	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	82.10	60-95	75-100	85-100	
01.18	68.25	30-70	55-90	75-100	
600.mic	36.90	15-34	35-59	60-79	
300.mic	17.40	5-20	8-30	12-40	
150.mic	6.95	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work.
Vinayaka Park Basket Ball Court

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/VP-GP/2021-22-C3 Date: 29-01-2022

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
(Project*: Providing Grills and Constructions of Pathway at Vinayaka Park at A Sector in Ward No.04.)
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri.K.B Alankar, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	157 min	Shall not be less than 30 min
2	Final setting time	287 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	2.12 %	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	2.09 mm	Shall not be more than 10 mm
5	Compressive strength c) 3 days (average of three results)	28.43 N/Sq mm	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.
Vinayaka Park Basket Ball Court

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/VP-GP/2021-22-PCC3 **Date: 29-01-2022**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
(Project*: Providing Grills and Constructions of Pathway at Vinayaka Park at A Sector in Ward No.04.)
Ref: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri.K.B Alankar, Bangalore.

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	64.95	0 -20	30- 70
10mm	26.55	0 -5	10- 35
4.75mm	4.30	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	98.10	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	84.95	60-95	75-100	85-100	
01.18	66.40	30-70	55-90	75-100	
600.mic	41.65	15-34	35-59	60-79	
300.mic	11.85	5-20	8-30	12-40	
150.mic	9.05	0-10	0-10	0-10	

The result of the materials tested meets the standards and hence can be used for the work. .
Vinayaka Park Basket Ball Court

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/VP-GP/2021-22-CE1

Date: 21-01-2022

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*- Providing Grills and Constructions of Pathway at Vinayaka Park at A Sector in Ward No.04.}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri.K.B Alankar, Bangalore.

PHYSICAL TESTS ON CEMENT

Grade * : 53,
Type * : O.P.C

TABLE 1.1;

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	168 min	Shall not be less than 30 min
2	Final setting time	278 min	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	1.89 %	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	1.97 mm	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	28.66 N/Sq mm	Shall not be less than 27 N/Sqmm

The result of the materials tested meets the standards and hence can be used for the work.
Vinayaka Park Basket Ball Court

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/VP-GP/2021-22-FA1

Date: 21-01-2022

1. TESTING OF FINE AGGREGATES :

Sub: Testing of Fine Aggregates.
{Project*: Providing Grills and Constructions of Pathway at Vinayaka Park at A Sector in Ward No.04.}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri.K.B Alankar, Bangalore.

TABLE - 1.1 : SIEVE ANALYSIS :

IS Sieve Size,mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -II	
04.75	**98.60**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**81.10**	60-95	75-100	85-100	
01.18	**78.65**	30-70	55-90	75-100	
600. mic	**39.20**	15.34	35-59	60-79	
300.mic	**17.75**	5-20	8-30	12-40	
150.mic	**8.40**	0-10	0-10	0-10	

TABLE 1.2 ;

Sl No	Test Conducted	Sample	Results	**Requirements** as Per IS. Specification IS :383-1970 (Reaffirmed 2002)
1	Bulking of Sand	001	**17.61 %**	-----
2	Silt Content	----	**0.60 %**	Not more than 8%
3	Specific Gravity	----	**2.60**	-------

The result of the materials tested meets the standards and hence can be used for the work.
Vinayaka Park Basket Ball Court

Asst. Executive Engineer
Project Division
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NEW TECHNOLOGIES TO INNOVATE

NC/QC/VP-GP/2021-22-CA1 **Date: 21-01-2022**

1. TESTING OF COARSE AGGREGATES (20 mm):

Sub: Testing of Construction Materials.
{Project*: Providing Grills and Constructions of Pathway at Vinayaka Park at A Sector in Ward No.04.}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri.K.B Alankar, Bangalore.

Table - 1.1 : SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2002) % Passing	
	20 mm Sample	Single size	Graded
40 mm	100.00	100.00	100.00
20 mm	98.60	85-100	90 - 100
10 mm	51.35	0 - 20	25 - 55
4.75 mm	4.15	0 - 5	0 - 10

TABLE 1.2 :

SL No	Test conducted	Results	Requirements as per IS:383-1970 & Tests Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2002)
1.	Flakiness Index	27.14%	Not to exceed 25 %
2.	Crushing value	26.64%	Not to exceed 45 % for concrete other than for wearing surfaces and 30% for concrete for wearing surfaces

The result of the materials tested meets the standards and hence can be used for the work.
Vinayaka Park Basket Ball Court

Asst. Executive Engineer
Project Division
Yelahanka Zone
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NEW TECHNOLOGIES TO INNOVATE

NC/QC/VP-GP/2021-22-SSM1 **Date: 24-01-2022**

1. TESTING OF STONE SAMPLE :

Sub: Testing of Size stone.
{Project*: Providing Grills and Constructions of Pathway at Vinayaka Park at A Sector in Ward No.04.}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri.K.B Alankar, Bangalore.
Technical Reference: IS 1121(Part 1) -1974 (R.A on 1998)

Table 1.1 :

SL No	Details of Tests	Observed Value	Normal Values
01	Compressive Strength	**1384.00** Kg/ Sqcm	Not less than 1000.00 Kg/Sqcm
02	Water absorption,%	**0.40 %**	Not more than 2.0 %

The result of the materials tested meets the standards and hence can be used for the work.
Vinayaka Park Fencing

Asst. Executive Engineer
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NEW TECHNOLOGIES TO INNOVATE

NC/QC/VP-GP/2021-22-S1 **Date: 24-01-2022**

1. TEST REPORT ON REINFORCEMENT STEEL:

Sub: Testing of Reinforcement Steel of diameter 12mm **TMT Steel.**
{Project*: Providing Grills and Constructions of Pathway at Vinayaka Park at A Sector in Ward No.04.}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri.K.B Alankar, Bangalore.

TABLE – 1

SL No	Details	For 12 mm	
		Test Results	Min Req. as per IS 1786-2008
01	Observed diameter of bar	**12.0 mm**	12.0 mm
02	Observed Wt/m Length **Kg/m**	**0.891**	0.834
03	Proof stress/Yield stress, fy , **N/mm²**	**556.0**	500.0
04	Bend/ Re bend Test	**Ok**	---
05	Percentage of Elongation, %	**20.70**	16.00
06	Ultimate Tensile Strength **N/mm²**	**625.0**	565.0

The result of the materials tested meets the standards and hence can be used for the work.
Vinayaka Park Basket Ball Court

Asst. Executive Engineer
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NEW TECHNOLOGIES TO INNOVATE

NC/QC/VP-GP/2021-22-CB1

Date: 03-02-2022

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Providing Grills and Constructions of Pathway at Vinayaka Park at A Sector in Ward No.04.}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri.K.B Alankar, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	27-01-22	03-02-22	07	22500	305	13.56	**13.63**
	002	"	"	"	"	300	13.33	
	003	"	"	"	"	315	14.00	

The result of the materials tested meets the standards and hence can be used for the work.
Vinayaka Park Fencing

Asst. Executive Engineer
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NEW TECHNOLOGIES TO INNOVATE

NC/QC/VP-GP/2021-22-CB1A

Date: 24-02-2022

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Providing Grills and Constructions of Pathway at Vinayaka Park at A Sector in Ward No.04.}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri.K.B Alankar, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{15}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	27-01-22	24-02-22	28	22500	425	18.89	**18.37**
	002	"	"	"	"	415	18.44	
	003	"	"	"	"	400	17.78	

The result of the materials tested meets the standards and hence can be used for the work.
Vinayaka Park Fencing

Asst. Executive Engineer
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Yelahanka Zone
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NEW TECHNOLOGIES TO INNOVATE

NC/QC/VP-GP/2021-22-CB2 **Date: 14-02-2022**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Providing Grills and Constructions of Pathway at Vinayaka Park at A Sector in Ward No.04.}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri.K.B Alankar, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{25}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	07-02-22	14-02-22	07	22500	460	20.44	**20.07**
	002	"	"	"	"	445	19.78	
	003	"	"	"	"	450	20.00	

The result of the materials tested meets the standards and hence can be used for the work.
Vinayaka Park Basket Ball Court

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/VP-GP/2021-22-CB3 **Date: 14-02-2022**

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Providing Grills and Constructions of Pathway at Vinayaka Park at A Sector in Ward No.04.}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri.K.B Alankar, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{25}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	07-02-22	14-02-22	07	22500	440	19.56	**19.85**
	002	‘’	“	‘’	“	455	20.22	
	003	‘’	“	‘’	“	445	19.78	

The result of the materials tested meets the standards and hence can be used for the work.
Vinayaka Park Basket Ball Court

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

NEWZEN CONSULTANT * BANGALORE *

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/VP-GP/2021-22-CB4 Date: 14-02-2022

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Providing Grills and Constructions of Pathway at Vinayaka Park at A Sector in Ward No.04.}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri.K.B Alankar, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{25}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	07-02-22	14-02-22	07	22500	450	20.00	**20.22**
	002	"	"	"	"	465	20.67	
	003	"	"	"	"	450	20.00	

The result of the materials tested meets the standards and hence can be used for the work.
Vinayaka Park Basket Ball Court

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/VP-GP/2021-22-CB2A

Date: 07-03-2022

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Providing Grills and Constructions of Pathway at Vinayaka Park at A Sector in Ward No.04.}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri.K.B Alankar, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE

CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm

Grade of Concrete* : M_{25}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	07-02-22	07-03-22	28	22500	625	27.78	**27.70**
	002	‘’	“	‘’	“	615	27.33	
	003	‘’	“	‘’	“	630	28.00	

The result of the materials tested meets the standards and hence can be used for the work Vinayaka Park Basket Ball Court

Asst. Executive Engineer
Project Division
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BBMP, Bangalore - 92

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/VP-GP/2021-22-CB3A

Date: 07-03-2022

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project* Providing Grills and Constructions of Pathway at Vinayaka Park at A Sector in Ward No.04.}
Ref: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri.K.B Alankar, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{25}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	07-02-22	07-03-22	28	22500	620	27.56	**27.85**
	002	"	"	"	"	635	28.22	
	003	"	"	"	"	625	27.78	

The result of the materials tested meets the standards and hence can be used for the work Vinayaka Park Basket Ball Court

Asst. Executive Engineer
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NEW TECHNOLOGIES TO INNOVATE

W/CN/TP-GP/2021-22-CB4A

Date: 07-03-2022

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
/Project*: Providing Grills and Constructions of Pathway at Vinayaka Park at A Sector in Ward No.04)
Ref: Material testing PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri.K.B Alankar, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{25}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	07-02-22	07-03-22	28	22500	630	28.00	**27.63**
	002	"	"	"	"	615	27.33	
	003	"	"	"	"	620	27.56	

The result of the materials tested meets the standards and hence can be used for the work Vinayaka Park Basket Ball Court

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/VP-GP/2021-22-K1

Date: 03-02-2022

TEST REPORT

Sub: Testing of Pre-cast Material-Kerb Stones.
{Project*: Providing Grills and Constructions of Pathway at Vinayaka Park at A Sector in Ward No.04.}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri.K.B Alankar, Bangalore.

1. PHYSICAL TESTS ON KERB STONES :

Sl No.	Identification	Flexural strength, fcr in N/sqmm	Characteristic Compressive Strength, fck in N/sqmm	Avg. Characteristic. Compressive Strength fck in N/sqmm	Remarks
1	001	3.38	23.45	**23.22**	As per Cl. 6.2.2 of IS 456- 2000, fcr=0.7√ fck
2	002	3.35	22.95		
3	003	3.37	23.30		

2. WATER ABSORPTION TEST

Sl No	Identification	Water absorption %	Average value %
1	001	4.38	**4.46**
2	002	4.46	
3	003	4.55	

The result of the materials tested meets the standards and hence can be used for the work Vinayaka Park Walking Track

Asst. Executive Engineer
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NEW TECHNOLOGIES TO INNOVATE

NC/QC/VP-GP/2021-22-K2 **Date: 09-02-2022**

TEST REPORT

Sub: Testing of Pre-cast Material-Kerb Stones.
{Project*: Providing Grills and Constructions of Pathway at Vinayaka Park at A Sector in Ward No.04.}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri.K.B Alankar, Bangalore.

1. PHYSICAL TESTS ON KERB STONES :

Sl No.	Identification	Flexural strength, fcr in N/sqmm	Characteristic Compressive Strength, fck in N/sqmm	Avg. Characteristic, Compressive Strength fck in N/sqmm	Remarks
1	001	3.37	23.30	**23.16**	As per Cl. 6.2.2 of IS 456- 2000, fcr=0.7√ fck
2	002	3.32	22.50		
3	003	3.40	23.70		

2. WATER ABSORPTION TEST

Sl No	Identification	Water absorption %	Average value %
1	001	4.64	**4.76**
2	002	4.78	
3	003	4.86	

The result of the materials tested meets the standards and hence can be used for the work Vinayaka Park Walking Track

Asst. Executive Engineer
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NEW TECHNOLOGIES TO INNOVATE

NC/QC/VP-GP/2021-22-PB1 **Date: 11-02-2022**

TEST REPORT

Sub: Testing of Pre-cast Paver Blocks of thickness 60mm.
{Project*: Providing Grills and Constructions of Pathway at Vinayaka Park at A Sector in Ward No.04.}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri.K.B Alankar, Bangalore.

Technical Reference*: IS 15658-2006.

PHYSICAL TESTS ON PRECAST PAVER BLOCKS.

1.COMPRESSIVE STRENGTH:

Sl No	Identification	Compressive Strength, N/mm^2	Average Compressive Strength, N/mm^2
1	001	41.95	41.14
2	002	41.80	
3	003	40.20	
4	004	40.62	

The result of the materials tested meets the standards and hence can be used for the work Vinayaka Park Walking Track

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NEW TECHNOLOGIES TO INNOVATE

NC/QC/VP-GP/2021-22-PB2 **Date: 15-02-2022**

TEST REPORT

Sub: Testing of Pre-cast Paver Blocks of thickness 60mm.
{Project*: Providing Grills and Constructions of Pathway at Vinayaka Park at A Sector in Ward No.04.}
Ref.: Material testing/PMC/21-22,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri.K.B Alankar, Bangalore.

Technical Reference*: IS 15658-2006.

PHYSICAL TESTS ON PRECAST PAVER BLOCKS.

1.COMPRESSIVE STRENGTH:

Sl No	Identification	Compressive Strength, N/mm^2	Average Compressive Strength, N/mm^2
1	001	**40.25**	**40.58**
2	002	**40.05**	
3	003	**41.30**	
4	004	**40.75**	

The result of the materials tested meets the standards and hence can be used for the work Vinayaka Park Walking Track

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